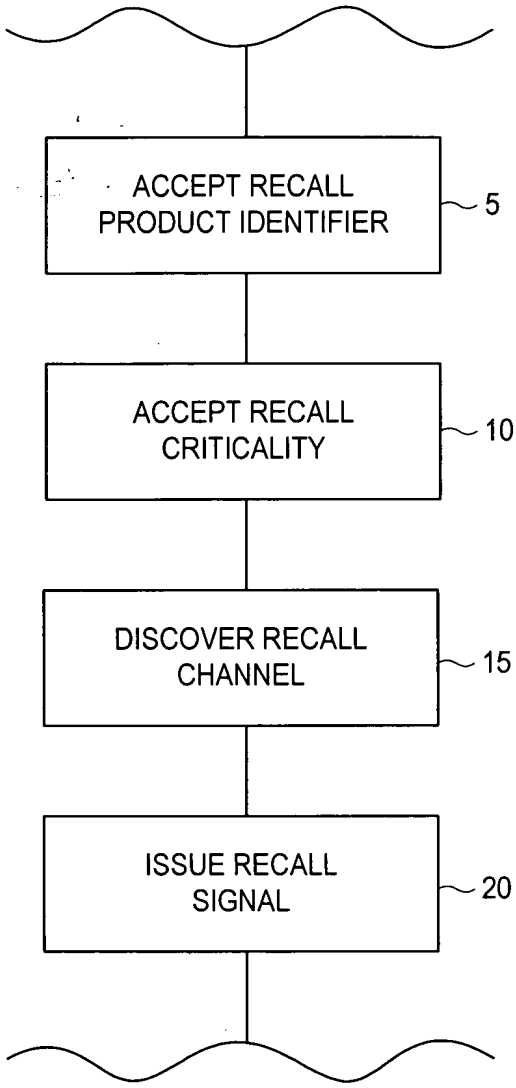

1) SKU NUMBER
2) SERIAL NUMBER
3) LOT/DATE CODE

1) URGENCY
2)MESSAGE

1)FREQUENCY
2)PRN FOR SPREAD SPECTRUM
3)DIGITAL ID NUMBER
4)NETWORK ADDRESS

FIG. 1

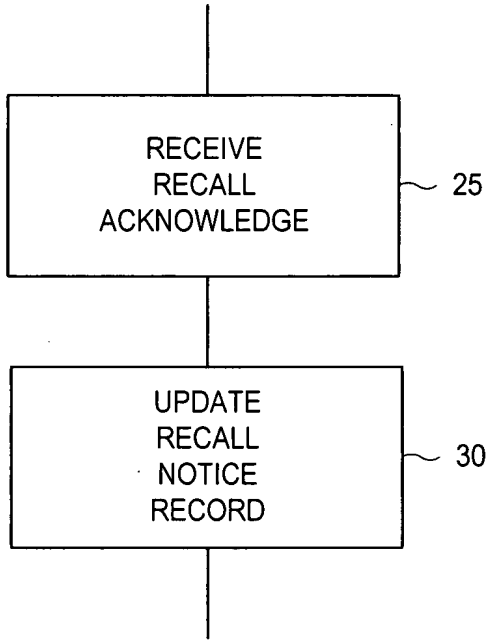
RECEIVE
RECALL
ACKNOWLEDGE
25
UPDATE
RECALL
NOTICE
RECORD
30

FIG. 2

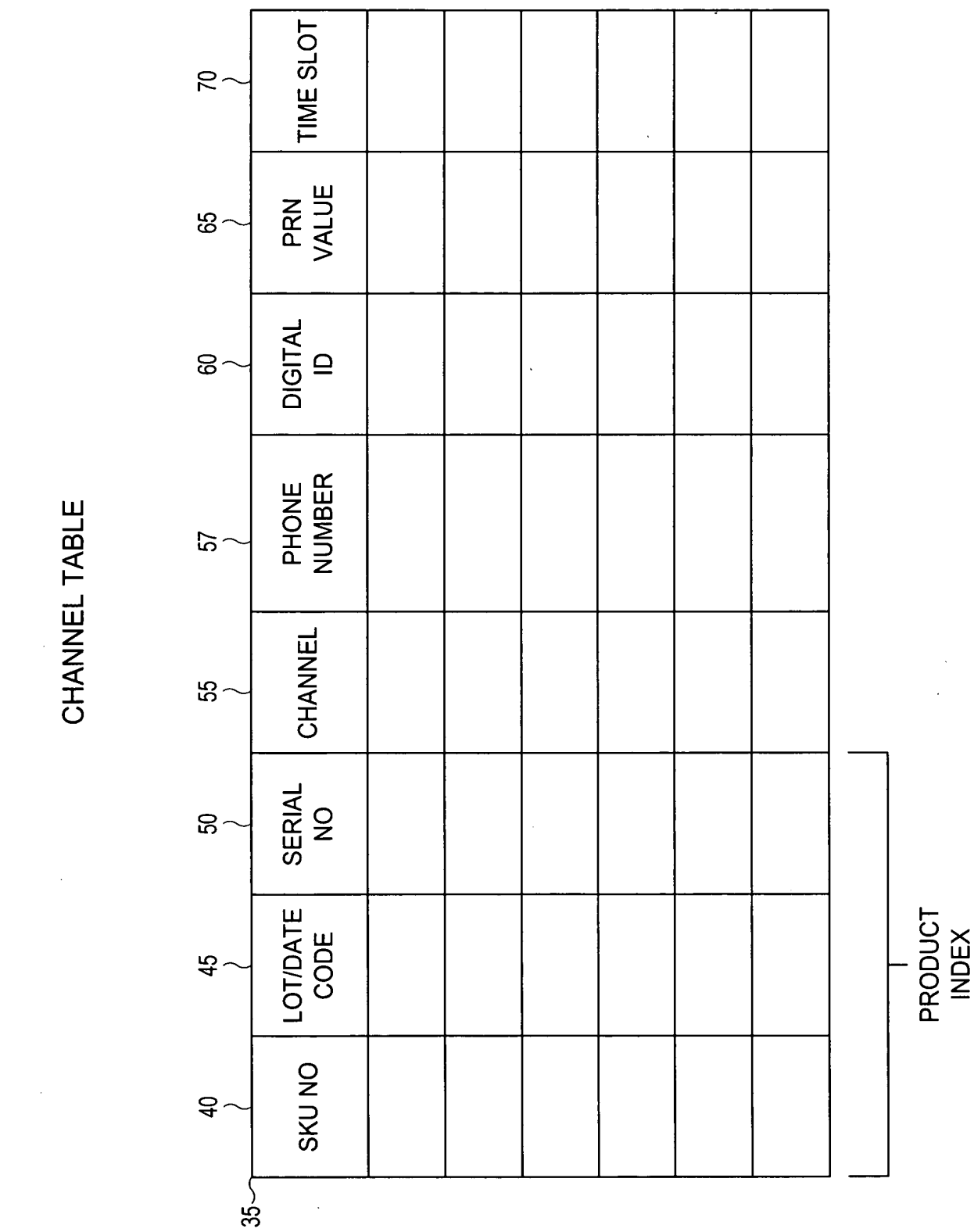
CHANNEL TABLE
35
40
SKU NO
45
LOT/DATE CODE
50
SERIAL NO
55
CHANNEL
57
PHONE NUMBER
60
DIGITAL ID
65
PRN VALUE
70
TIME SLOT
PRODUCT INDEX

FIG. 3

RECALL ATTEMPT TABLE

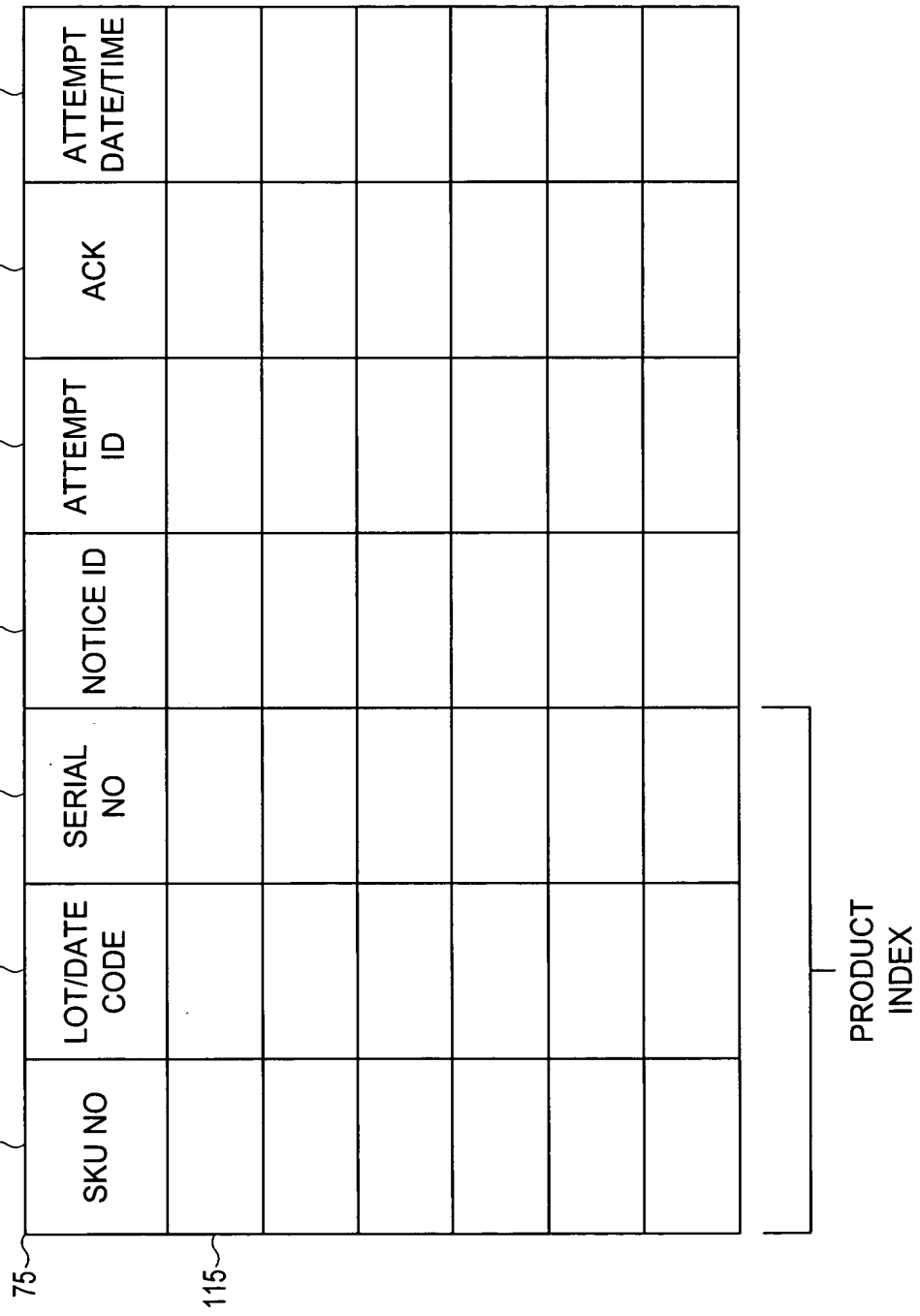

FIG. 4

NOTICE TYPE TABLE

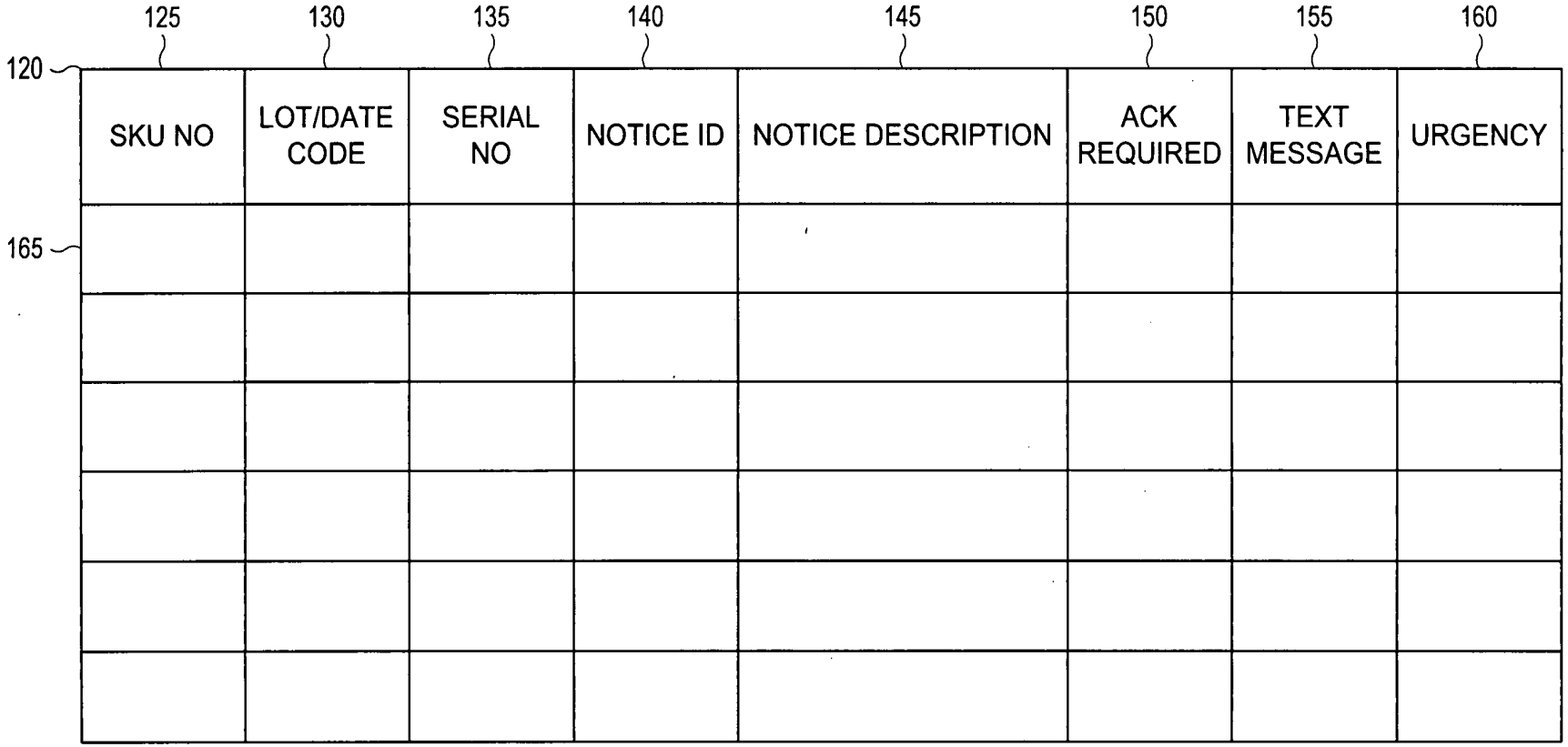

FIG. 5

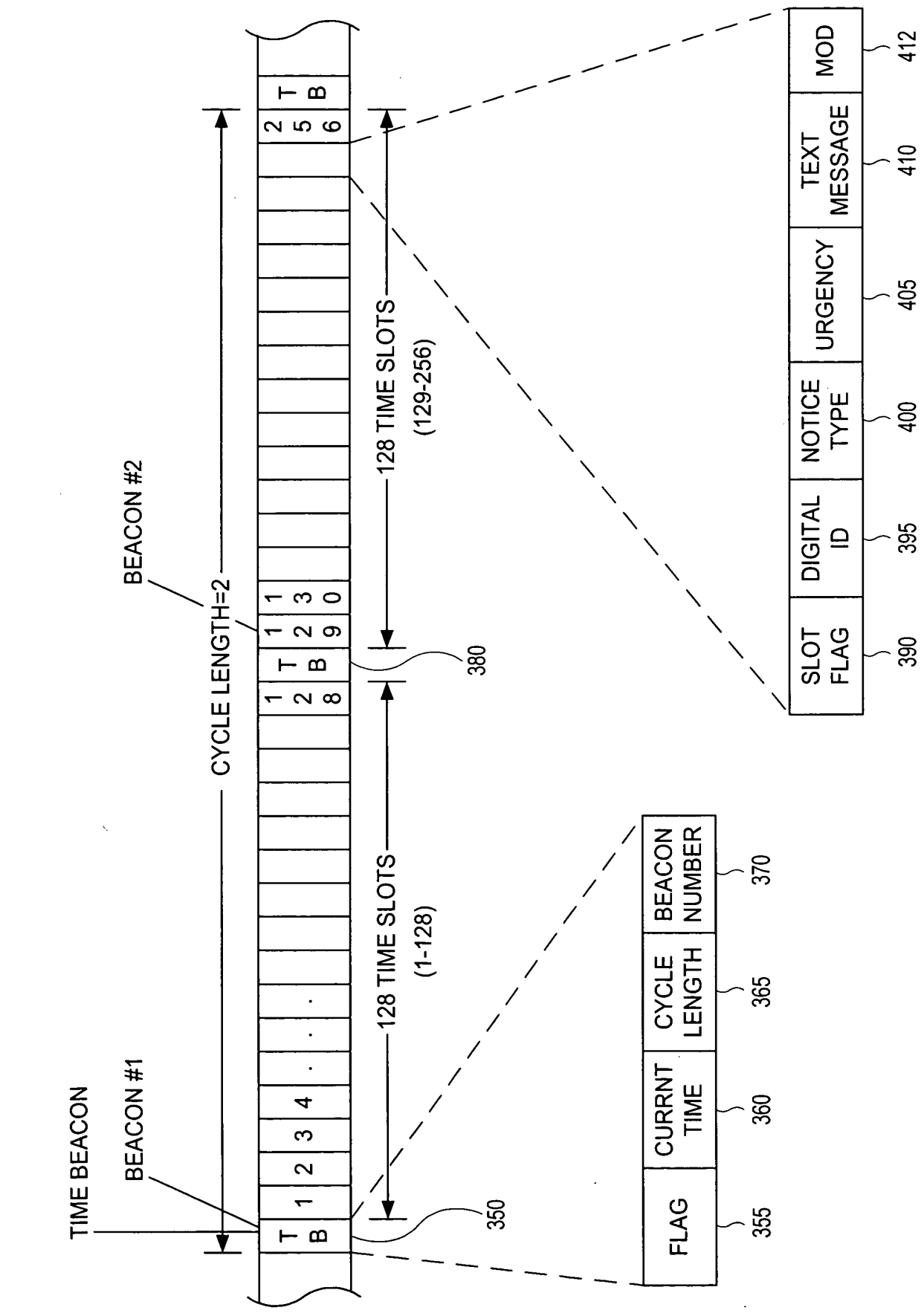
TIME BEACON
BEACON #1
BEACON #2
CYCLE LENGTH=2
128 TIME SLOTS
(1-128)
128 TIME SLOTS
(129-256)
350
380
FLAG
CURRNT TIME
CYCLE LENGTH
BEACON NUMBER
355
360
365
370
SLOT FLAG
DIGITAL ID
NOTICE TYPE
URGENCY
TEXT MESSAGE
MOD
390
395
400
405
410
412

FIG. 6

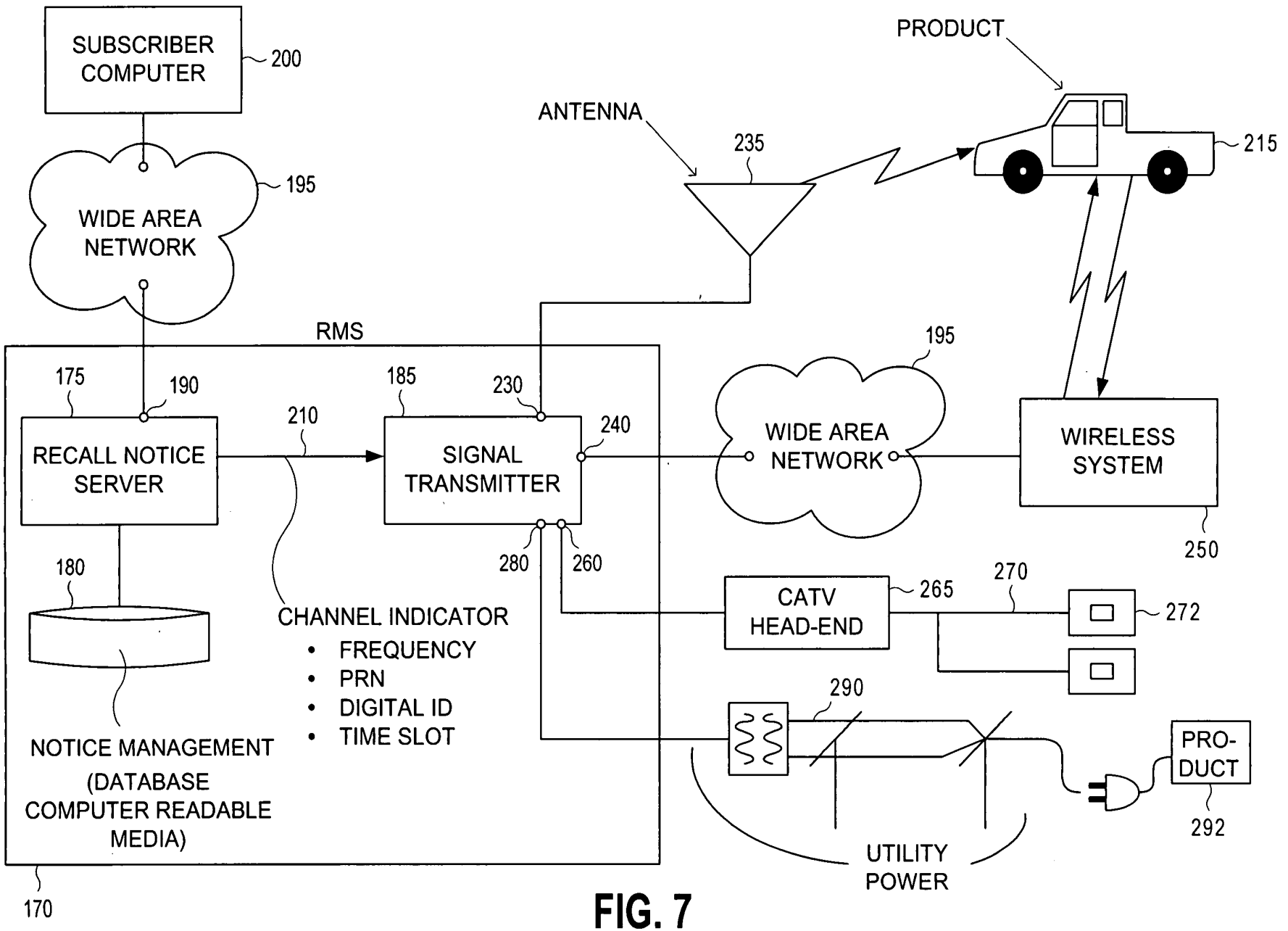
SUBSCRIBER COMPUTER
200
WIDE AREA NETWORK
195
PRODUCT
ANTENNA
235
215
RMS
175
190
185
230
210
240
RECALL NOTICE SERVER
SIGNAL TRANSMITTER
195
WIDE AREA NETWORK
WIRELESS SYSTEM
250
180
280
260
CATV HEAD-END
265
270
272
CHANNEL INDICATOR
• FREQUENCY
• PRN
• DIGITAL ID
• TIME SLOT
290
PRO-DUCT
292
NOTICE MANAGEMENT
(DATABASE COMPUTER READABLE MEDIA)
UTILITY POWER
170

FIG. 7

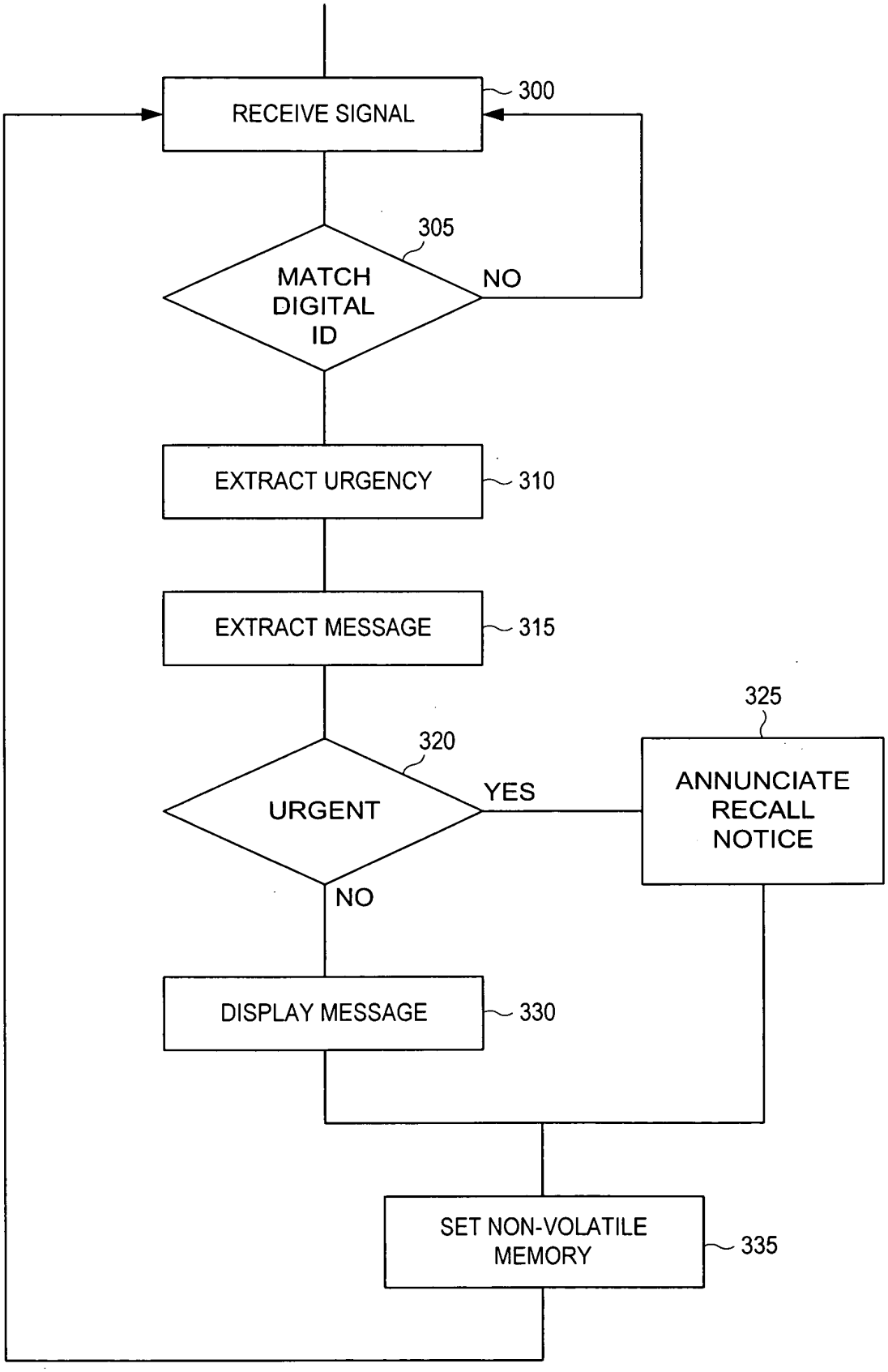
RECEIVE SIGNAL
300
305
MATCH DIGITAL ID
NO
EXTRACT URGENCY
310
EXTRACT MESSAGE
315
325
320
URGENT
YES
ANNUNCIATE RECALL NOTICE
NO
DISPLAY MESSAGE
330
SET NON-VOLATILE MEMORY
335

FIG. 8

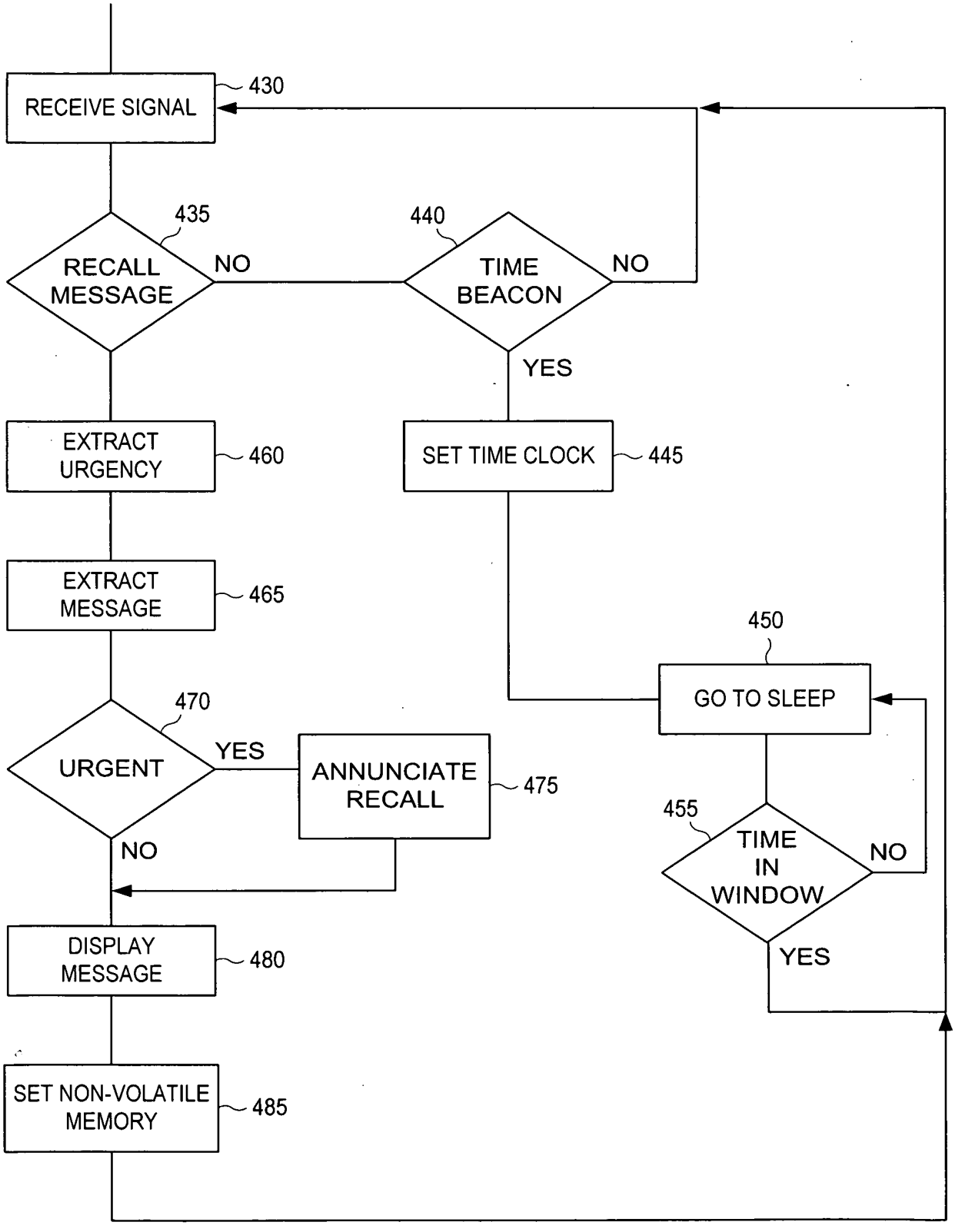
RECEIVE SIGNAL
430
RECALL MESSAGE
435
NO
TIME BEACON
440
NO
YES
EXTRACT URGENCY
460
SET TIME CLOCK
445
EXTRACT MESSAGE
465
450
GO TO SLEEP
URGENT
470
YES
ANNUNCIATE RECALL
475
NO
TIME IN WINDOW
455
NO
YES
DISPLAY MESSAGE
480
SET NON-VOLATILE MEMORY
485

FIG. 9

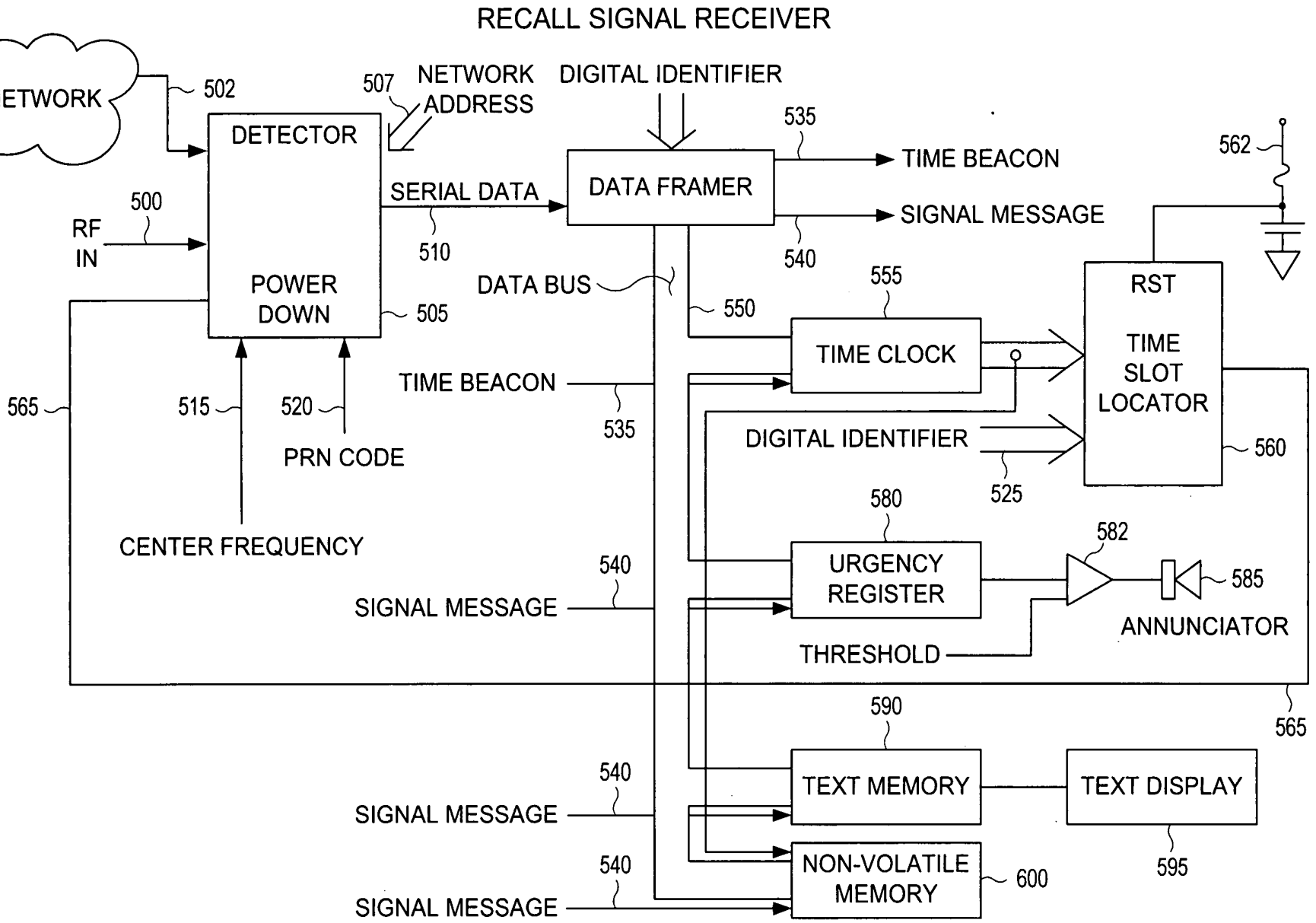
RECALL SIGNAL RECEIVER
NETWORK
502
DETECTOR
507
NETWORK ADDRESS
DIGITAL IDENTIFIER
535
TIME BEACON
562
SERIAL DATA
DATA FRAMER
SIGNAL MESSAGE
500
RF IN
510
540
POWER DOWN
505
DATA BUS
550
555
RST
TIME CLOCK
TIME SLOT LOCATOR
TIME BEACON
535
565
515
520
PRN CODE
DIGITAL IDENTIFIER
525
560
CENTER FREQUENCY
580
582
URGENCY REGISTER
585
540
SIGNAL MESSAGE
ANNUNCIATOR
THRESHOLD
565
590
TEXT MEMORY
TEXT DISPLAY
540
SIGNAL MESSAGE
595
NON-VOLATILE MEMORY
600
540
SIGNAL MESSAGE

FIG. 10